

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-18. (canceled)

19. (currently amended) A process for oxidizing a non-cellulose carbohydrate or a steroid containing primary alcohol groups, comprising reacting said carbohydrate or steroid with using a nitroxyl compound and an oxidizing agent selected from the group consisting of oxygen, hydrogen peroxide, alkyl, aryl and aralkyl hydroperoxides and chlorite, in the presence of a nitroxyl compound and characterized in that the primary alcohol is oxidized in the presence of an enzyme capable of oxidation and/or in the presence of a metal complex, in an aqueous medium, or in a mixture of water with an alcohol, an ether or a water-immiscible organic solvent.

20. (previously presented) A process according to Claim 19, wherein the nitroxyl compound is a di-tert-nitroxyl compound.

21. (previously presented) A process according to Claim 19, wherein the enzyme capable of oxidation is an oxidoreductase.

22. (previously presented) A process according to Claim 21, wherein the enzyme is a peroxidase, and the oxidizing agent is hydrogen peroxide.

23. (previously presented) A process according to Claim 21, wherein the enzyme is a polyphenol oxidase or a laccase and the oxidizing agent is oxygen.

24. (previously presented) A process according to Claim 19, wherein the enzyme is a phytase or lipase.

25. (currently amended) A process according to Claim 19, comprising oxidizing wherein the primary alcohol is in a carbohydrate.

26. (currently amended) A process according to 25, comprising oxidizing wherein the carbohydrate is an α -glucan or fructan or a carboxyl derivative obtained by further oxidation or by carboxylation.

27. (currently amended) A process according to Claim 25, ~~wherein a comprising oxidizing said carbohydrate to obtain a carbonyl-containing carbohydrate containing at least 1 cyclic monosaccharide chain group carrying a carbaldehyde group per 25 monosaccharide units and per average molecule is produced.~~

28. (currently amended) A process according to Claim 25, ~~comprising oxidizing wherein the carbohydrate is a hydroxy-alkylated carbohydrate or a glycoside or a glyconic acid.~~

29. (currently amended) A process according to Claim 19, ~~comprising oxidizing wherein the primary alcohol is in a steroid compound.~~

30. (currently amended) A process according to Claim 19, ~~comprising oxidizing wherein the primary alcohol is in textile fibres.~~

31. (currently amended) An oxidized carbohydrate, wherein said carbohydrate being is selected from the group consisting of ~~disaccharides, oligosaccharides or polysaccharides~~

of alpha-glucan, mannan, galactan, fructan, and chitin types, and carbohydrate glycosides, containing ~~at least 1~~ 2 to 50 cyclic monosaccharide ~~chain group~~ groups carrying a carbaldehyde group per ~~25~~ 50 monosaccharide units and per ~~average~~ molecule, or a carboxyalkyl derivative obtained by further oxidation or carboxylalkylation thereof.

32. (currently amended) An oxidized carbohydrate according to Claim 31, containing at least 5 monosaccharide units per ~~average~~ molecule.

33-36. (cancelled)

37. (previously presented) A process according to Claim 20, wherein said di-tert-nitroxyl compound is 2,2,6,6-tetramethylpiperidin-1-oxyl (TEMPO).

38. (currently amended) The A process according to Claim 22, wherein said peroxidase is horse radish, soy-bean, lignin peroxidase or myelo- or lacto-peroxidase.

39. (currently amended) An oxidized carbohydrate, said carbohydrate being selected from disaccharides, oligosaccharides and or polysaccharides of the beta-glucan ~~types~~ type, containing at least 1 cyclic monosaccharide ~~chain~~ group carrying a carbaldehyde group per 25 monosaccharide units and per average molecule, further containing carboxymethyl groups.